KELTON®

Installation Manual

Flocalc.net

&

FM²P.net

Rev	Issue date	Description	Prep	App
1.1	09/04/13	Issued	MH	MH
1.2	10/04/13	Updated	RM	MH
1.3	16/04/13	Updated for Software V1.2	RM	MH
1.4	10/06/13	Updated to include automatically starting services	MH	MH
1.5	10/06/13	Updated to include system requirements	IB	MH
1.6	08/11/13	Updated for Software V1.3.x	MH	MH
1.7	30/04/14	Updated with additional FLOXL Information	IB	MH
1.8	09/05/14	Updated for V1.4.x	MH	MH
1.9	10/10/14	Windows XP no longer supported, Windows 8 now supported	KE	MH

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1 Introduction

1.1 Scope

This document covers all steps required to install the following KELTON® Software products.

1. Flocalc.net V1.4.x
2. FM2P.net Server V1.4.x
3. FM2P.net Client V1.4.x

1.2 Hardware specification

The minimum recommended specification for installing FM²P.net products is:

Processor:	CORE i3 (or higher)
Memory RAM:	4 GB
Hard Drive space:	50 GB

1.3 Software specification

The following operating systems are supported:

- Windows 7 Professional x86 (32-Bit) & x64 (64-Bit)
- Windows 8.1 x86 (32-Bit) & x64 (64-Bit)

FLOXL.net is compatible with Excel 2010 and 2013 (32-bit) edition.[1]

1.4 Database

FM²P uses a SQL database which can be installed on SQL Server 2008 or higher.

If the data is not stored on a SQL server a local database can be created during installation; this will use SQL Express 2008 R2.

Note: a database is not required for Flocalc.net

1.5 Prerequisites

All prerequisites required for installing the software are included on the installation disk and will be installed where required.

[1] This can be installed on a 32-Bit or 64-Bit operating system

2 Flocalc.net Installation

2.1 Previous versions

If you already have a version of FLOCALC which is lower than V1.4.0 this must be uninstalled prior to installing your new version. If you are upgrading from Version 1.4.0 or higher you can *update* when prompted by the installer.

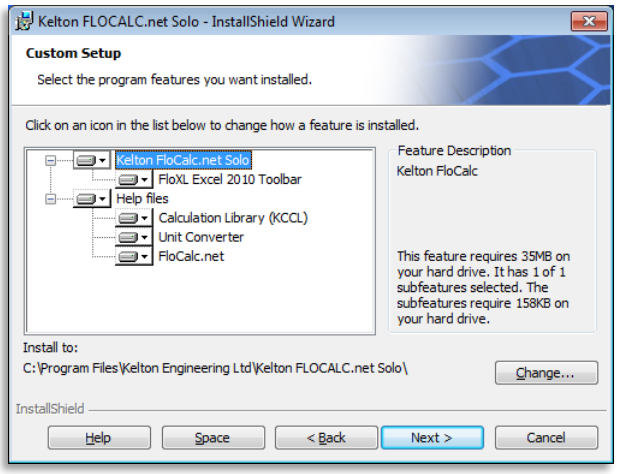
2.2 Run setup

The file setup.exe should be run as an Administrator by right-clicking and selecting 'Run as Administrator.

2.3 Custom Setup

After accepting the licence agreement you will be given the options for customising the install. For example not installing the Excel 2010 Toolbar.

With this window you can select / de-select features to be installed with Flocalc.net. The defaults are recommended, as in this case.


Kelton FLOCALC.net Solo - InstallShield Wizard
Custom Setup
Select the program features you want installed.
Click on an icon in the list below to change how a feature is installed.
Kelton FloCalc.net Solo
FloXL Excel 2010 Toolbar
Help files
Calculation Library (KCCL)
Unit Converter
FloCalc.net
Feature Description
Kelton FloCalc
This feature requires 35MB on your hard drive. It has 1 of 1 subfeatures selected. The subfeatures require 158KB on your hard drive.
Install to:
C:\Program Files\Kelton Engineering Ltd\Kelton FLOCALC.net Solo\
Change...
InstallShield
Help
Space
< Back
Next >
Cancel

To enable installation and testing the application will be delivered with a licence containing limited functionality.

2.4 License Management

To enable installation and testing the application will be delivered with a licence containing limited functionality.

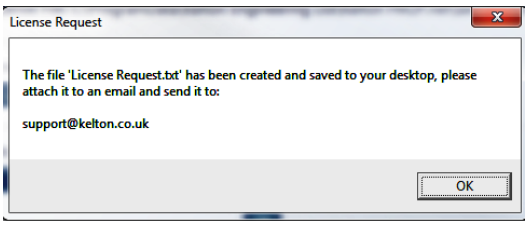
After installation, the licence file may be replaced with either:

- A temporary licence file which enables full functionality for a limited time period.
- A permanent licence file which is locked to the PC where the application is installed.

FM2P.net Client and Flocalc.net contain a License Management utility which is accessed under the FM2P.net icon in both applications.

2.4.1 Licence Request

Click this button if the Title Bar in FM2P.net (or Flocalc.net) displays *Invalid License* or *No License*. Details of your computer will then be written to text file which will be placed on the Desktop of your computer.

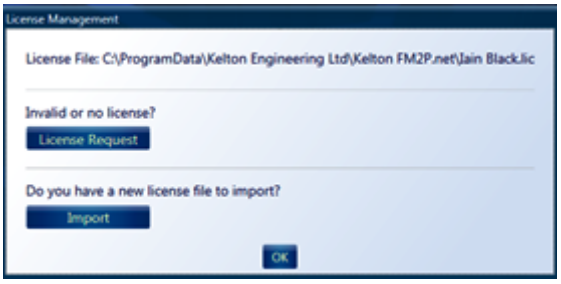

License Request
The file 'License Request.txt' has been created and saved to your desktop, please attach it to an email and send it to:
support@kelton.co.uk
OK

Send this file to support@kelton.co.uk along with the name of the licenced user.

Upon receipt of this information a license file will be created and issued to you by email.

2.4.2 Import a new License.

Once you have received your licence file save it to any location on your PC or network. Click the import button to browse to the same location and select the licence file



Upon restarting, the Title Bar of FM2P.net (or Flocalc.net) will display details of the imported license.

Note: if due to your security settings this import process does not work, manually copy the licence file into:

C:\ProgramData\Kelton Engineering Ltd\Kelton FM2P.net

Delete any *.lic files which are already in this location.

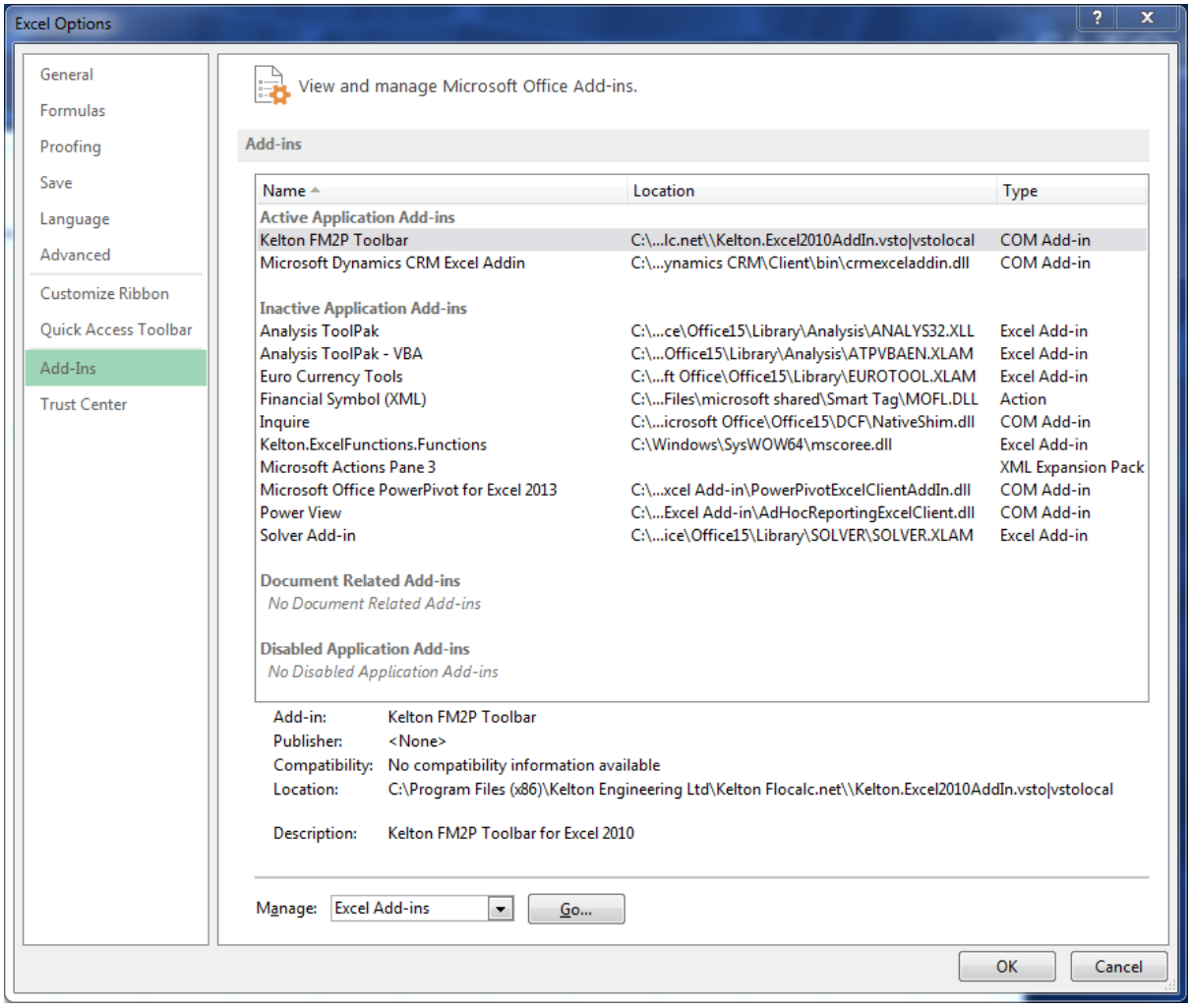
2.5 FLOXL.net

FLOXL.net will install automatically. Depending on how your computer has been configured you may have to switch on an Add-In the first time you run the application. If the add-In is not switched on you will see a #Name error when you use FLOXL.

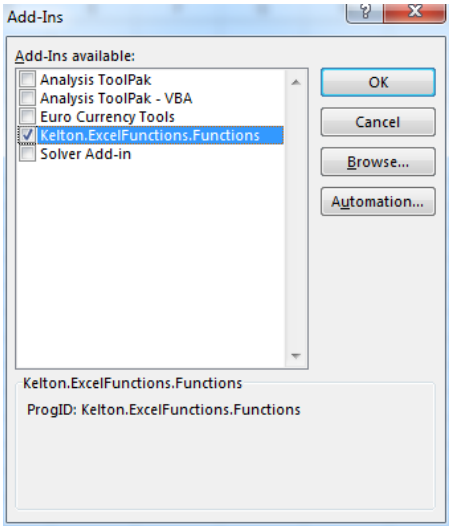
The procedure for this is:

1. Open Excel and click the File menu

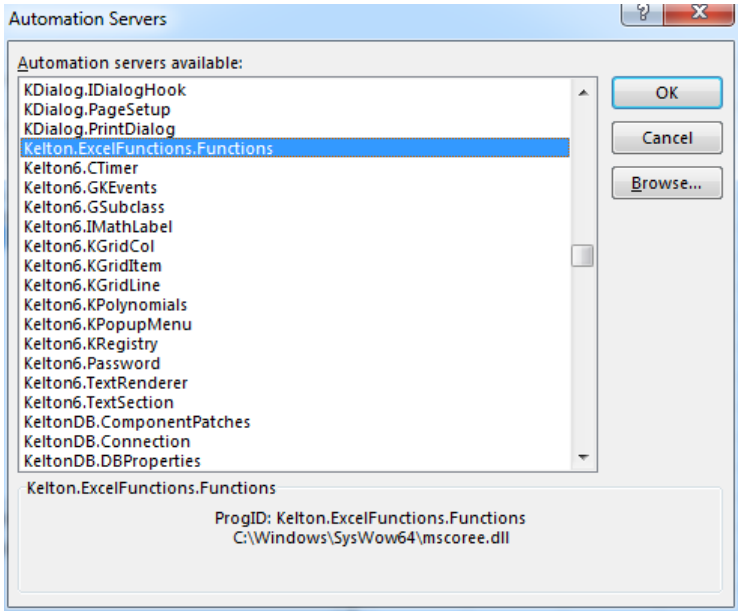
2. Select *Add-Ins* form the *options* section



3. Click on the Go… button at the bottom of the window to Manage Excel Add-Ins



4. If *Kelton.ExcelFunctions.Functions* is not included in the list click the *Automation* button.



5. Select *Kelton.ExcelFunctions.Functions* from the list of Automation servers and click OK

3 FM2P.net Server Installation

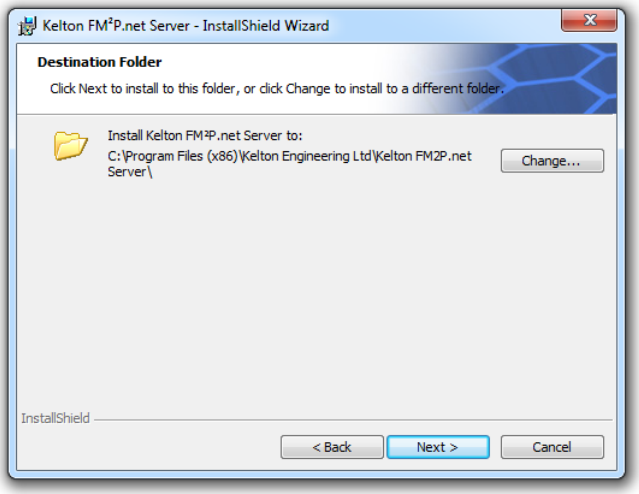
3.1 Previous versions

If you already have a version of FM²P.net Server which is lower than V1.4.0 this must be uninstalled prior to installing your new version. If you are upgrading from Version 1.4.0 or higher you can *update* when prompted by the installer.

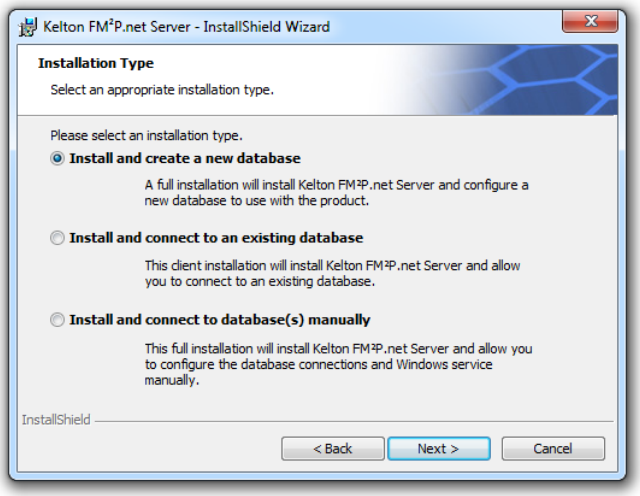
3.2 Run setup

The file setup.exe should be run as an Administrator by right-clicking and selecting 'Run as Administrator.' Select location for application

After accepting the licence agreement you will be given the opportunity to change the location where the software is to be installed. We would recommend accepting the default location.


Kelton FM²P.net Server - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Kelton FM²P.net Server to:
C:\Program Files (x86)\Kelton Engineering Ltd\Kelton FM2P.net Server\
Change...
InstallShield
< Back
Next >
Cancel

3.3 Select database options


Kelton FM²P.net Server - InstallShield Wizard
Installation Type
Select an appropriate installation type.
Please select an installation type.
Install and create a new database
A full installation will install Kelton FM²P.net Server and configure a new database to use with the product.
Install and connect to an existing database
This client installation will install Kelton FM²P.net Server and allow you to connect to an existing database.
Install and connect to database(s) manually
This full installation will install Kelton FM²P.net Server and allow you to configure the database connections and Windows service manually.
InstallShield
< Back
Next >
Cancel

There are three options available for the installation:

1. Install and create a new database

If you select this option a new blank database will be created. This is the option to use if you are configuring the database yourself.

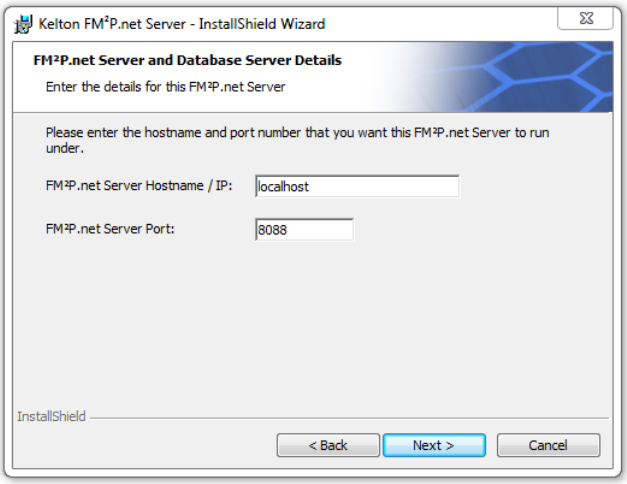
2. Install and connect to an existing database

   If your database is already installed on a server you can select this option and a new database will not be created. During the install process you will be able to browse to the server and database you wish to connect to.

3. Install and connect to database(s) manually

   This option will **not** guide you through the process of connecting to the database.

3.4 Server details


Kelton FM²P.net Server - InstallShield Wizard
FM²P.net Server and Database Server Details
Enter the details for this FM²P.net Server
Please enter the hostname and port number that you want this FM²P.net Server to run under.
FM²P.net Server Hostname / IP:
localhost
FM²P.net Server Port:
8088
InstallShield
< Back
Next >
Cancel

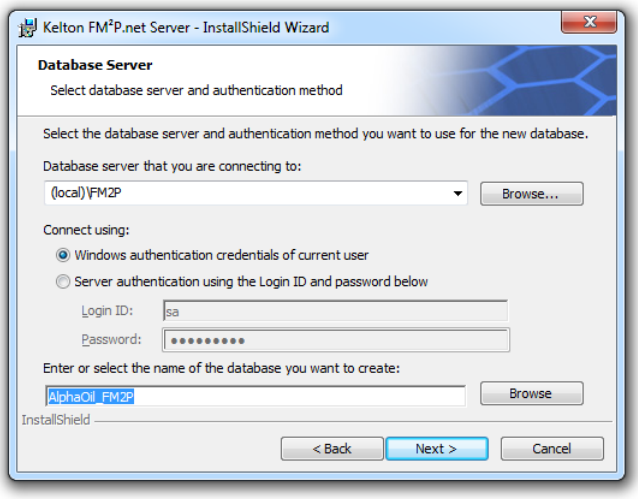
The FM²P.net Hostname should be unchanged

The server port can be changed if required but generally the default would be used unless it conflicts with one already being used.

3.5 Choose database server and database

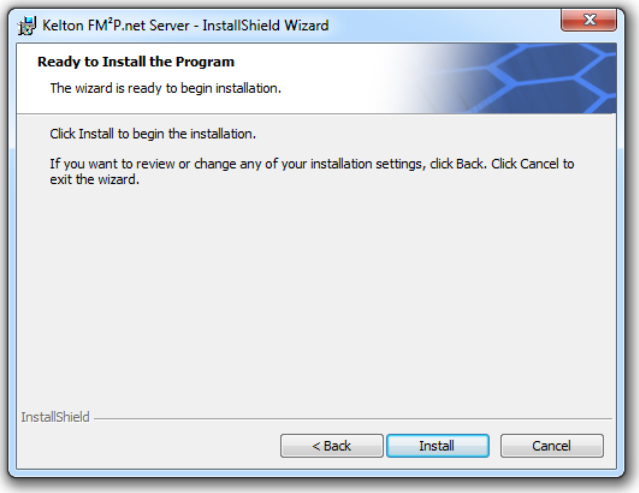
Browse to the database server where you would like to create the new database and enter the name for the database to be created.

If in Section 3.3 you have chosen to connect to an existing database this screen will enable you to select the database to connect to.

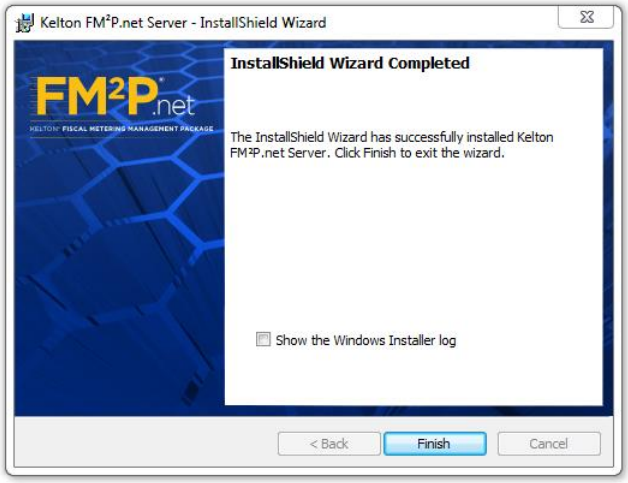

Kelton FM²P.net Server - InstallShield Wizard
Database Server
Select database server and authentication method
Select the database server and authentication method you want to use for the new database.
Database server that you are connecting to:
(local)\FM2P
Browse...
Connect using:
Windows authentication credentials of current user
Server authentication using the Login ID and password below
Login ID:
sa
Password:
Enter or select the name of the database you want to create:
AlphaOil_FM2P
Browse
InstallShield
< Back
Next >
Cancel

3.6 Install

You are now ready to install the FM²P.net Server application.


Kelton FM²P.net Server - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

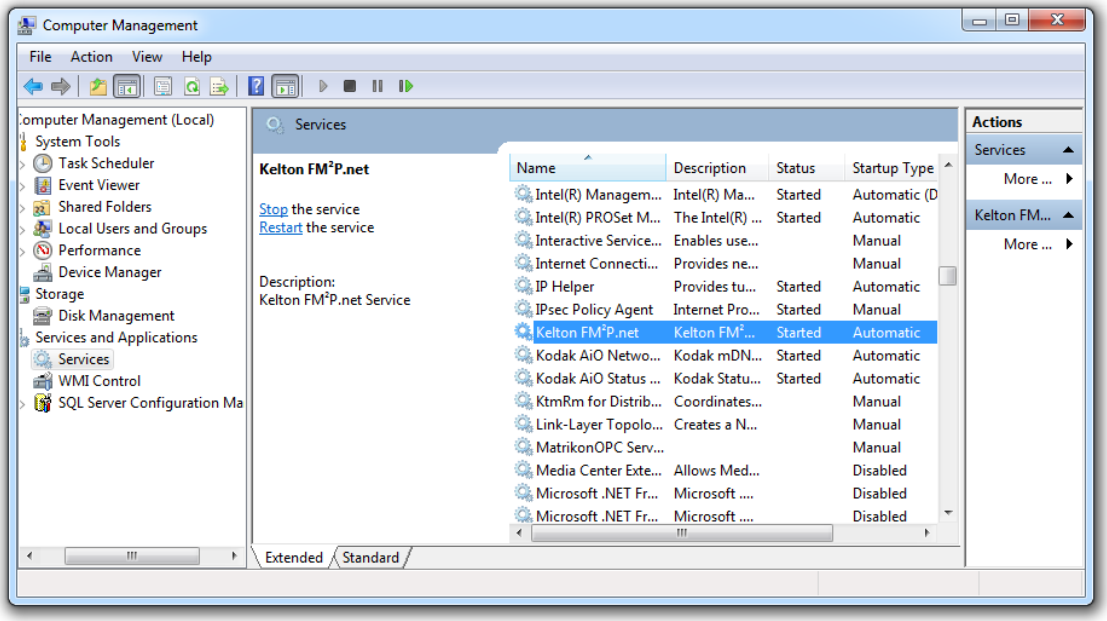
3.7 Confirmation of a successful installation


Kelton FM²P.net Server - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Kelton FM²P.net Server. Click Finish to exit the wizard.
Show the Windows Installer log
< Back
Finish
Cancel

3.8 Confirm Service status

Once you have seen this screen open the Services Management Console and check the Kelton FM²P.net service has started.

Note: the service has to be run as an account which has read/write access to the database.



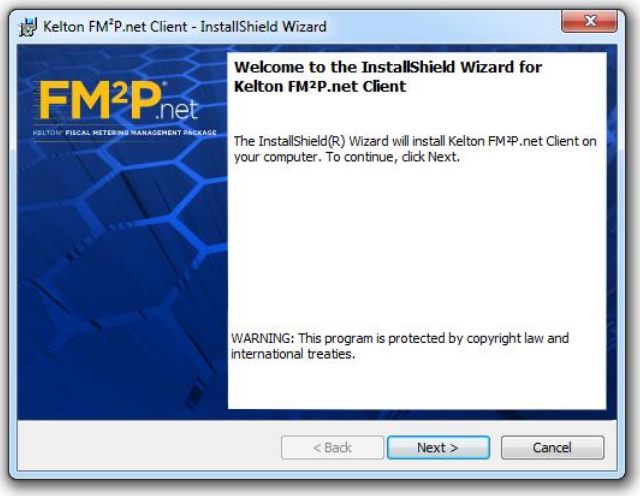
4 FM2P.net Client Installation

4.1 Previous versions

If you already have a version of FM²P.net Client which is lower than V1.4.0 this must be uninstalled prior to installing your new version. If you are upgrading from Version 1.4.0 or higher you can *update* when prompted by the installer.

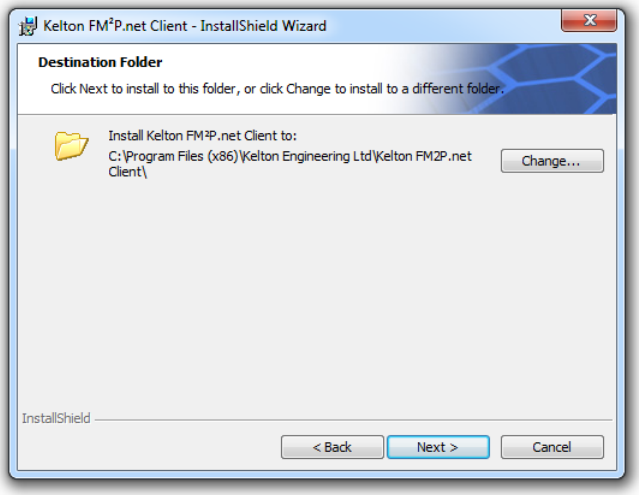
4.2 Run setup

The file setup.exe should be run as an Administrator by right-clicking and selecting 'Run as administrator.'


Kelton FM²P.net Client - InstallShield Wizard
FM²P.net
Welcome to the InstallShield Wizard for Kelton FM²P.net Client
The InstallShield(R) Wizard will install Kelton FM²P.net Client on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

4.3 Select location for application

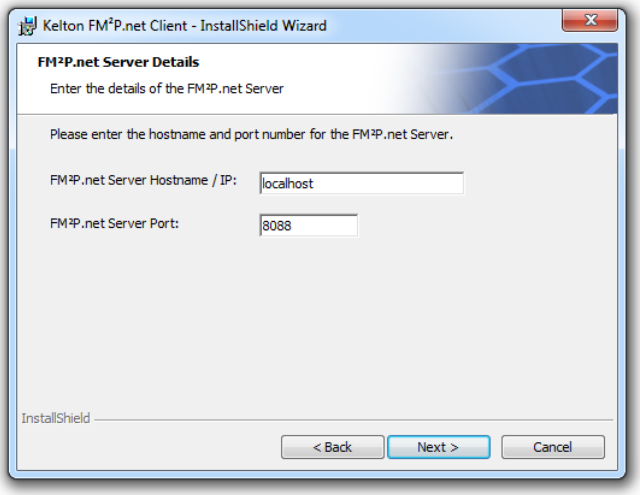
After accepting the licence agreement you will be given the opportunity to change the location where the software is to be installed. We would recommend accepting the default location.


Kelton FM²P.net Client - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Kelton FM²P.net Client to:
C:\Program Files (x86)\Kelton Engineering Ltd\Kelton FM2P.net Client\
Change...
InstallShield
< Back
Next >
Cancel

4.4 Connection to the FM2P.net Server

The information required here is the computer name for the machine on which FM2P.net Server has been configured as well as the port used for this connection.

The default port 8088 is displayed here but this may be different depending on your infrastructure and will be different for each service you wish to connect to.



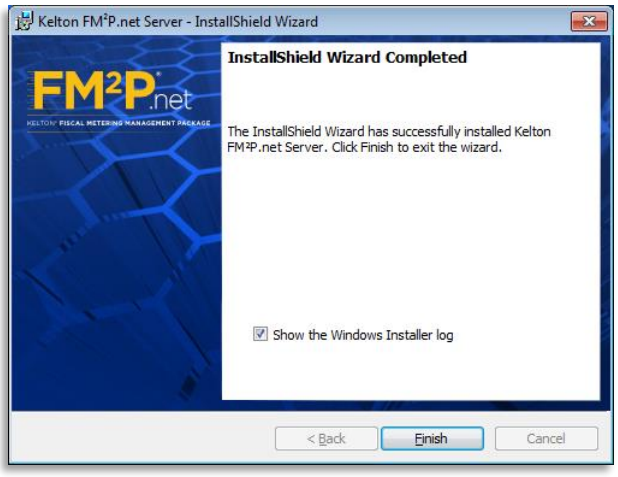
4.5 Reports Image File

If required a logo can be included for use in reports.

4.6 Install

You are now ready to install the FM²P.net Client application.

4.7 Confirmation of a successful installation


Kelton FM²P.net Server - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Kelton FM²P.net Server. Click Finish to exit the wizard.
Show the Windows Installer log
< Back
Finish
Cancel

If you check the 'Show the Windows Installer log' option, this file will be opened in your default text editor (in this case Notepad) and you will be prompted to name and Save this file.

For on-going support as and when this may arise, KELTON® Support staff may request this file. KELTON® recommends that you save this file in your "My Documents" folder.

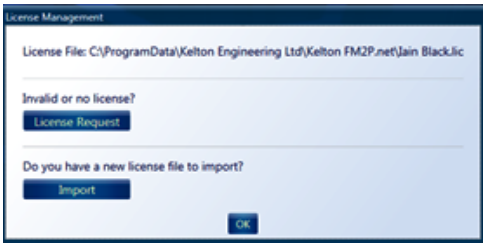
4.8 License Management

To enable installation and testing the application will be delivered with a licence containing limited functionality.

After installation, the licence file may be replaced with either:

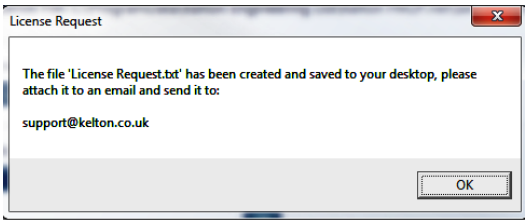
- A temporary licence file which enables full functionality for a limited time period.
- A permanent licence file which is locked to the PC where the application is installed.

FM2P.net Client and Flocalc.net contain a License Management utility which is accessed under the FM2P.net icon in both applications.



4.8.1 Licence Request

Click this button if the Title Bar in FM2P.net (or Flocalc.net) displays *Invalid License* or *No License*. Details of your computer will then be written to text file which will be placed on the Desktop of your computer.


License Request
The file 'License Request.txt' has been created and saved to your desktop, please attach it to an email and send it to:
support@kelton.co.uk
OK

Send this file to support@kelton.co.uk along with the name of the licenced user.

Upon receipt of this information a license file will be created and issued to you by email.

4.8.2 Import a new License.

Once you have received your licence file save it to any location on your PC or network. Click the import button to browse to the same location and select the licence file

Upon restarting, the Title Bar of FM2P.net (or Flocalc.net) will display details of the imported license.

Note: if due to your security settings this import process does not work, manually copy the licence file into:

C:\ProgramData\Kelton Engineering Ltd\Kelton FM2P.net

Delete any *.lic files which are already in this location.

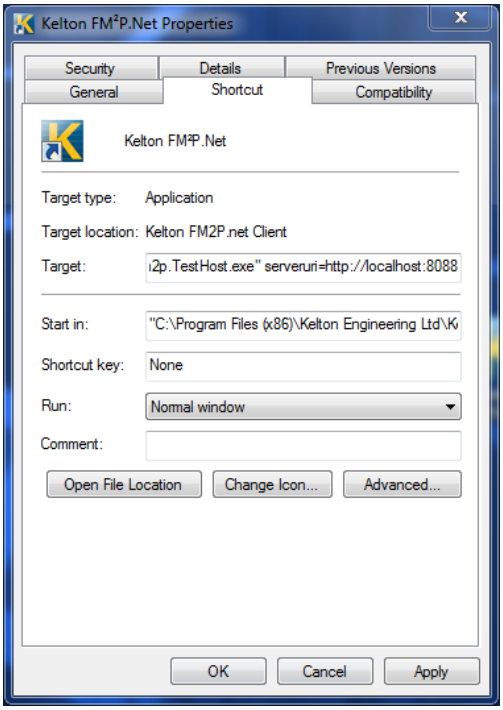
4.9 Shortcuts to additional servers

To create a new shortcut pointing to an additional server

Copy the original short cut and edit the properties adding

serveruri=http://<server>:<portnumber>/

Where <server> is the name or IP address of the machine where the FM²P server is running and <portnumber> is the number of the port.



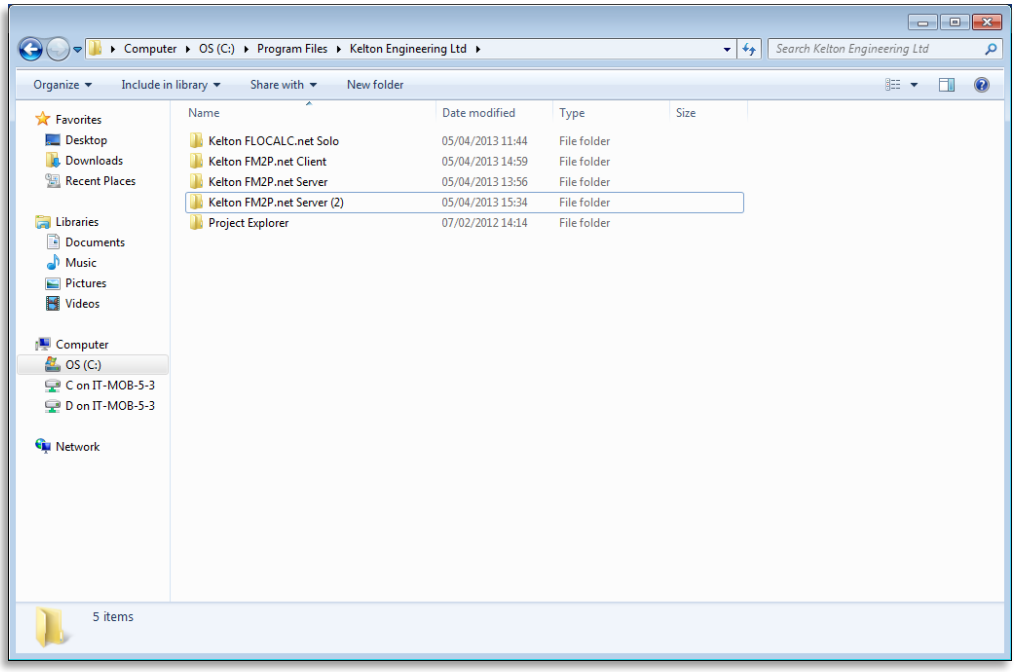
5 Multiple FM²P Services

Multiple instances can be installed to point to different databases

5.1 Copy the server installation folder

Copy the folder Kelton FM2P.net Server

This can be renamed if appropriate to identify the name of the off-shore installation

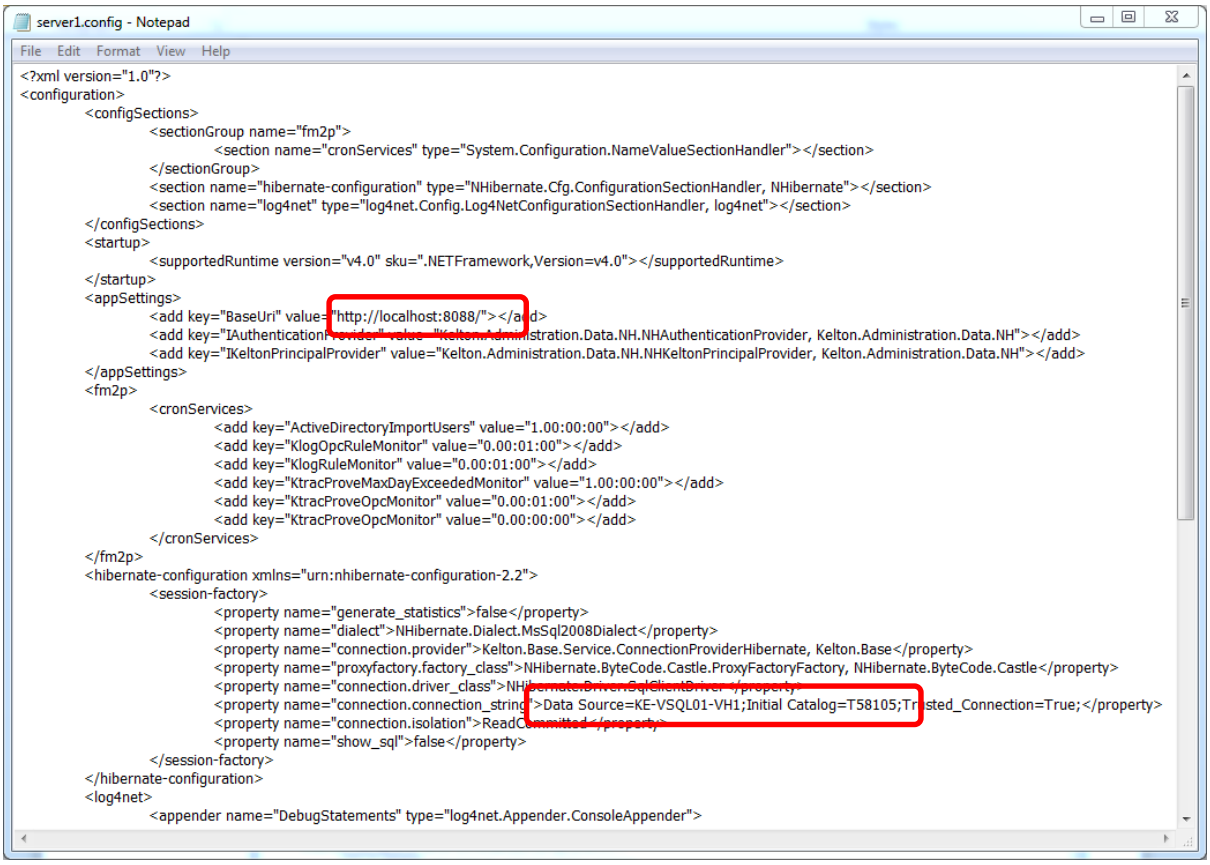


5.2 Edit the 'Server1' configuration File.

In the new (copied) folder edit the file Server1.config

Two edits are required

1. Change the port number
2. Change the database connection string



The Port Number requires to be altered; as does the database to which connection is to be made; as indicated above.

NOTE:

Open Notepad with the 'Run as administrator' switch as this will allow the changes to be saved.

Alternatively you can first copy this file to a different location to make the edit.

5.3 Create a new FM2P.net Server Service.

This requires the following command to be run from a command prompt with elevated privileges:

i.e. Start -> All Programmes -> Accessories -> right-click 'Command Prompt' -> Run as administrator.

```
sc create <InstanceName> binpath= <ServiceName> displayname=
<DisplayName>
```

For example:

```
sc create fm2pserver2 binpath= "C:\Program Files\Kelton Engineering
Ltd\Kelton FM2P.net Server(2)\WindowsWcfServiceHost.exe" displayname=
"Kelton FM2P.net Facility 2"
```

Where:

<InstanceName>

This is a unique identifier for the service

<ServiceName>.

This is the path to the 'WindowsWcfServiceHost.exe' file in the relevant copy of the installation folders which is in this case as detailed below:

C:\Program Files\Kelton Engineering Ltd\Kelton FM2P.net Server(2)

<DisplayName>.

This is a meaningful name for the service after it is created. In this case the value 'Kelton FM2P.net Facility 2' will be used.

Start -> All Programmes -> Accessories -> right-click 'Command Prompt' -> Run as administrator.

5.4 Confirm the new Service is installed.

Confirm the service is installed by opening the services section under 'Computer Management'.

Here you can also start the service and choose the start-up type.

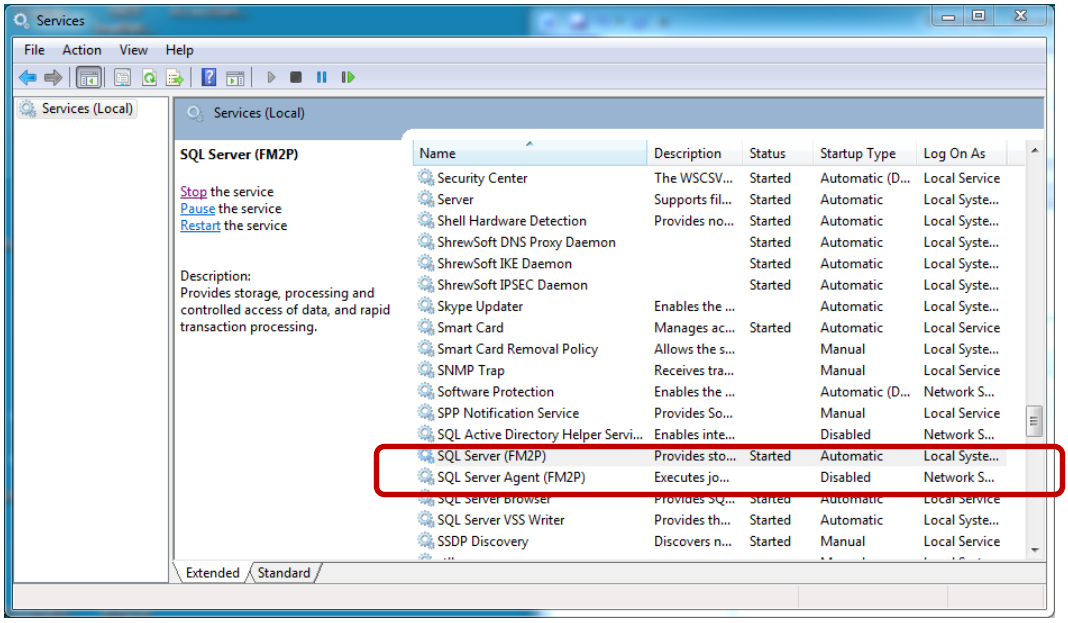
5.5 Uninstalling services

Services can be uninstalled using the 'sc delete' command if required.

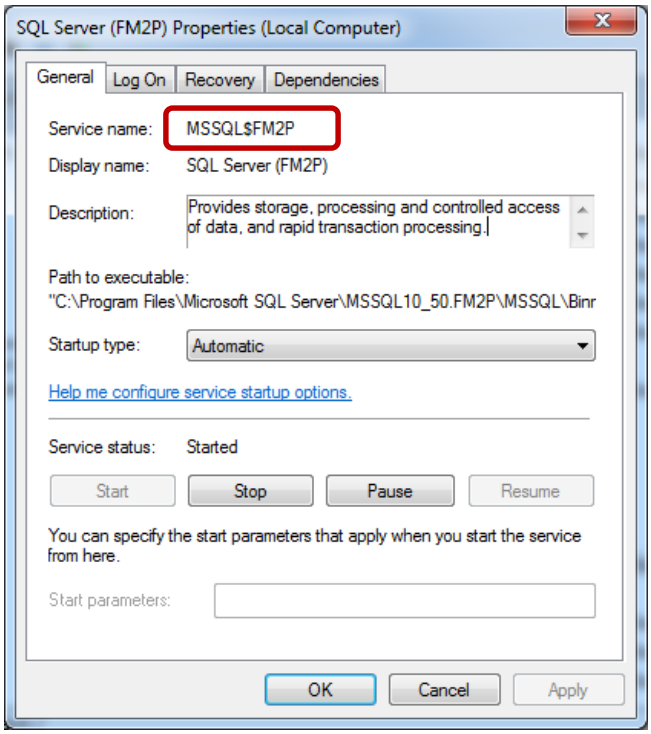
6 Automatically starting FM²P Servers

In cases where the FM²P server, FM²P Client and FM²P database are installed to run locally on the same PC the following procedure can be followed to automatically start the FM²P server when the computer is started.

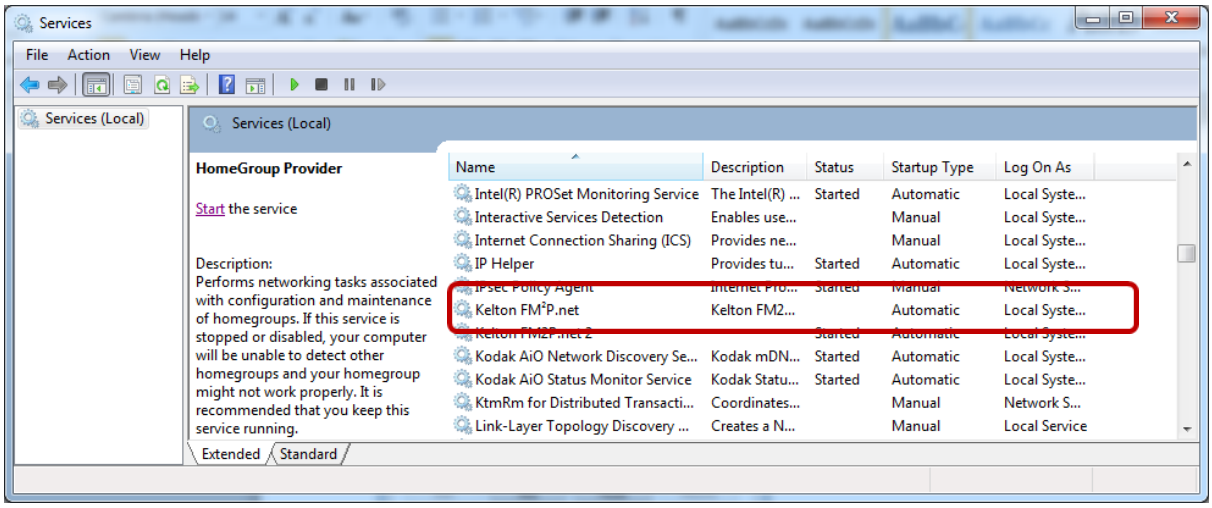
6.1 Locate the FM²P SQL database service

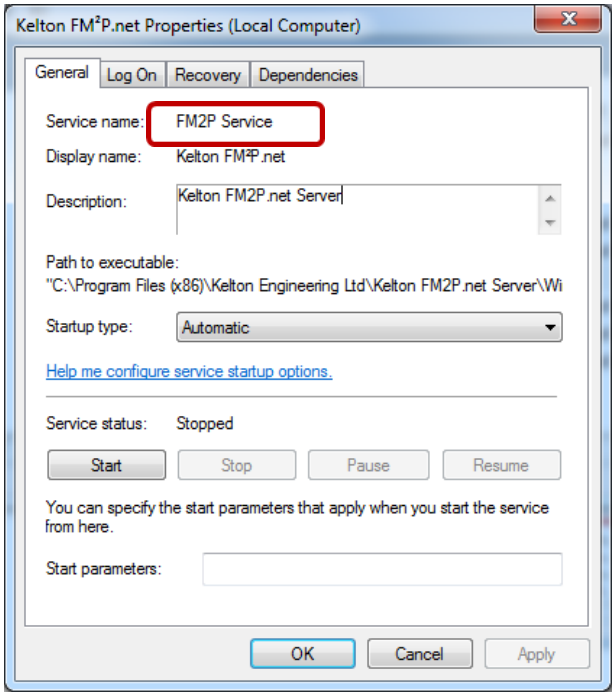


Look at the properties to determine the service name



6.2 Locate the Kelton FM²P Server





6.3 Modify the Kelton FM²P service

Modify the Kelton FM²P service so that it is dependent on the FM²P SQL database service:

Run a command prompt as Administrator (locate the command prompt under accessories, right click and select the run as administrator)

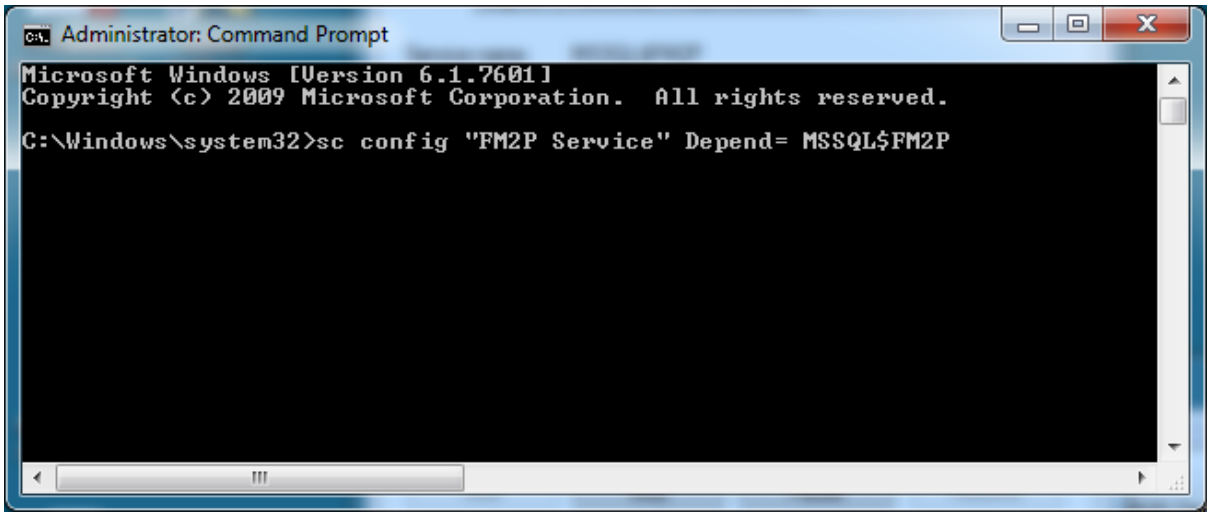
Type the following command:

sc config <FM2P Server Service name> Depend= <FM²P SQL database service>

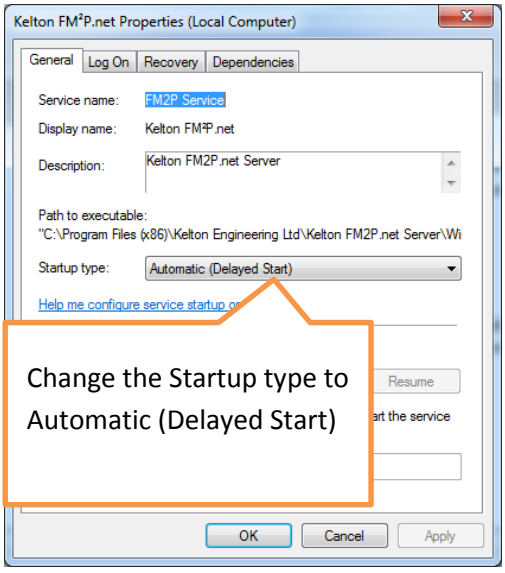
In this example it would be:

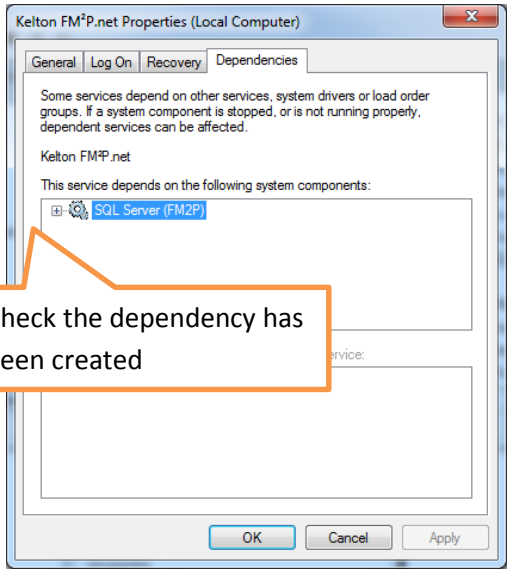
sc config "FM2P Service" Depend= MSSQL$FM2P

(Quotation marks are required if the server name contains spaces)


Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Windows\system32>sc config "FM2P Service" Depend= MSSQL$FM2P

Check the FM²P Service Properties




Kelton FM²P.net Properties (Local Computer)
General
Log On
Recovery
Dependencies
Some services depend on other services, system drivers or load order groups. If a system component is stopped, or is not running properly, dependent services can be affected.
Kelton FM²P.net
This service depends on the following system components:
SQL Server (FM2P)
OK
Cancel
Apply
Check the dependency has been created

7 Running Scripts on FM²P.net Databases

7.1 Introduction

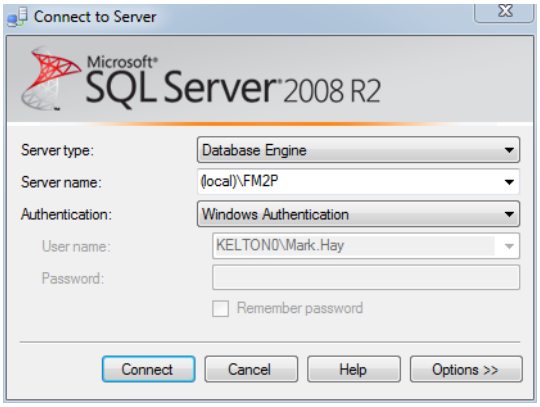
As new versions of FM²P.net are released to include new features changes to the structure (schema) of the database may be required. These changes can be applied by running scripts on the live database to cause minimal interruption to the application.

If your database is running on a corporate server the script will be passed to your Database Administrator (DBA) who will be familiar with the process of running scripts on a SQL Database. This note is designed for cases where the database is installed locally and not managed by a DBA.

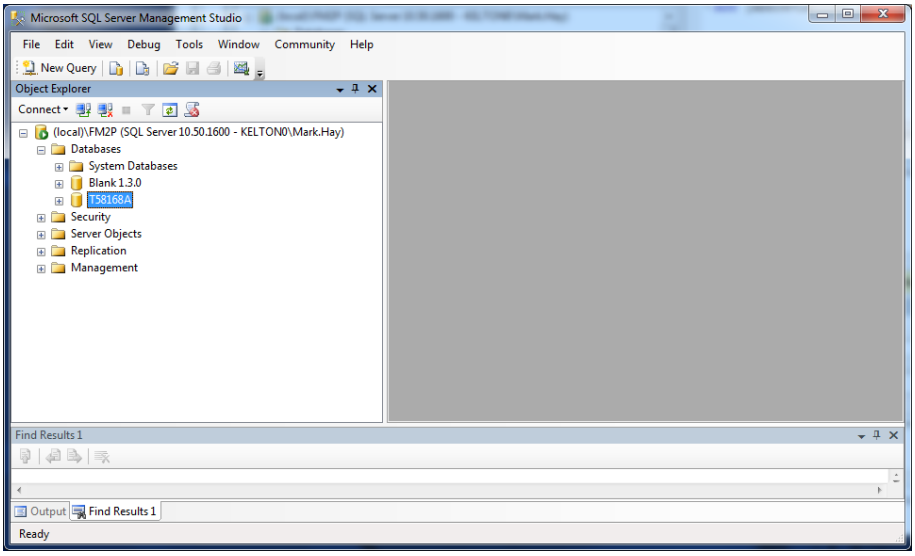
7.2 Microsoft SQL Management Studio

Microsoft SQL Management studio is a free application which can be downloaded from the Microsoft website. When you run this application you will be prompted to select your server.

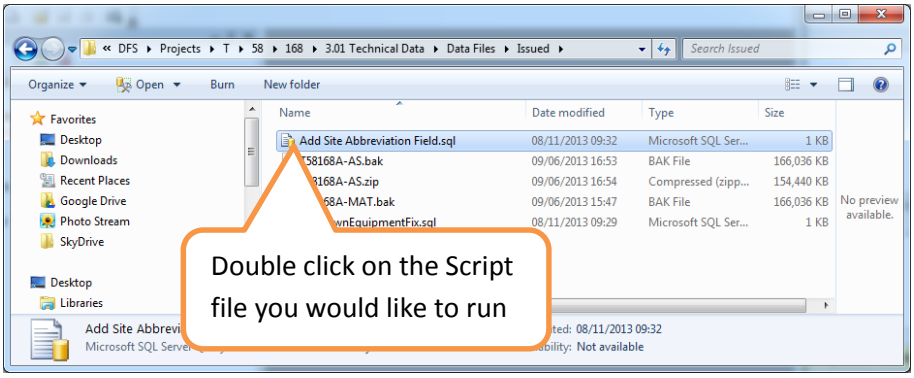
In this example FM²P.net was installed with the default settings



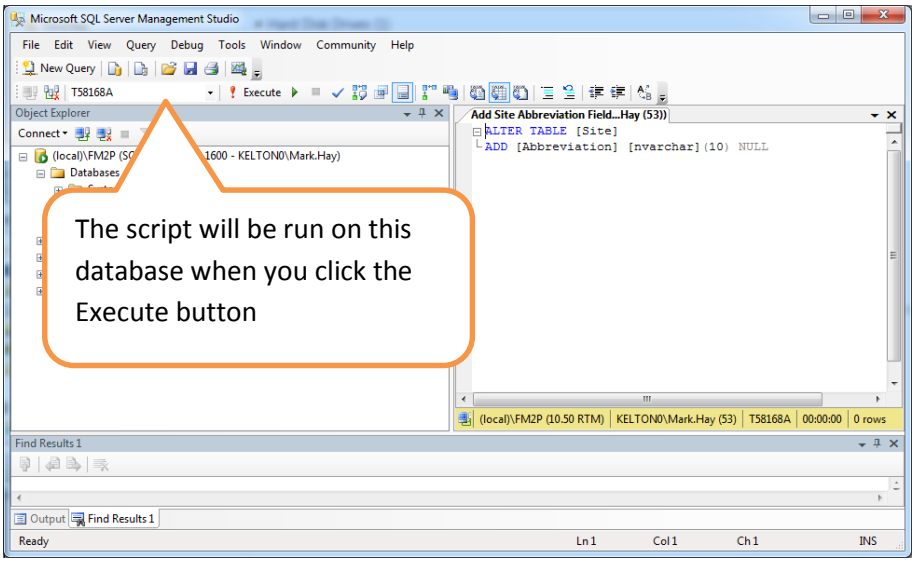
Click the connect button and you will be able to select your database:



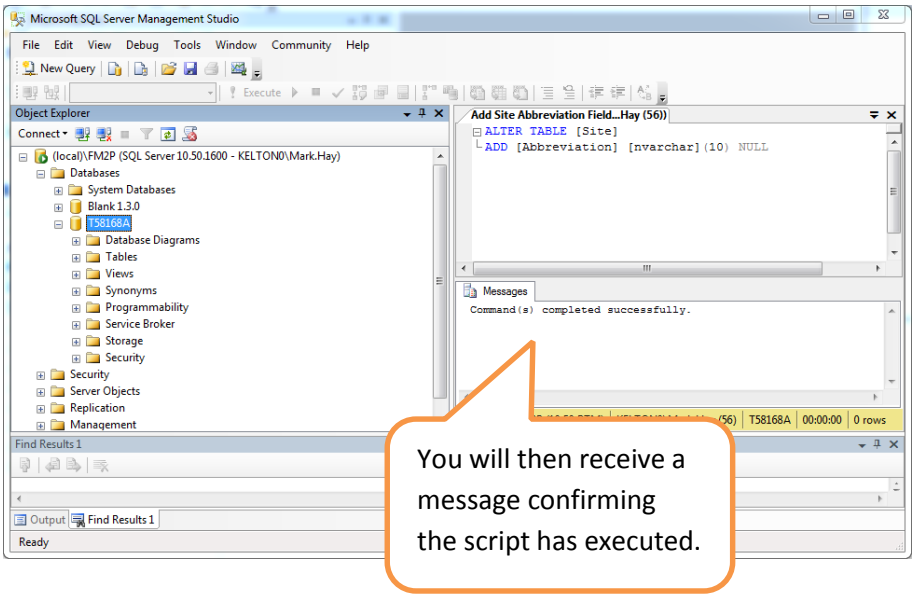
SQL Script files have the extension .sql



Double click on the Script file you would like to run and it will open in the SQL Studio window.



Check the correct database is displayed as shown above and click the *Execute* button.



Repeat the process for all scripts.